



MAJOR SOURCE OPERATING PERMIT

Permittee: Meridian Brick LLC

Facility Name: Meridian Brick LLC - Phenix City Plant 4

Facility No.: 211-0020

Location: Phenix City, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, <u>Ala. Code</u> §§22-28-1 to 22-28-23, as amended, the Alabama Environmental Management Act, <u>Ala. Code</u> §§22-22A-1 to 22-22A-17, as amended, and rules and regulations adopted there under, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.

Issuance Date: DRAFT
Effective Date: DRAFT
Expiration Date: DRAFT

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Fede	erally I	Enforceable Provisos	Regulations
1.	Tran	sfer	
	or of	permit is not transferable, whether by operation of law therwise, either from one location to another, from one of equipment to another, or from one person to her, except as provided in Rule 335-3-1613(1)(a)5.	Rule 335-3-1602(6)
2.	Ren	<u>ewals</u>	
	six (pplication for permit renewal shall be submitted at least 6) months, but not more than eighteen (18) months, re the date of expiration of this permit.	Rule 335-3-1612(2)
	to op and	source for which this permit is issued shall lose its right berate upon the expiration of this permit unless a timely complete renewal application has been submitted in the time constraints listed in the previous paragraph.	
3.	Seve	erability Clause	
	and claus invaluants juris invaluants confisting that	provisions of this permit are declared to be severable if any section, paragraph, subparagraph, subdivision, se, or phrase of this permit shall be adjudged to be lid or unconstitutional by any court of competent diction, the judgment shall not affect, impair, or lidate the remainder of this permit, but shall be ined in its operation to the section, paragraph, paragraph, subdivision, clause, or phrase of this permit shall be directly involved in the controversy in which is judgment shall have been rendered.	Rule 335-3-1605(e)
4.	Com	pliance	
	(a)	The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.	Rule 335-3-1605(f)
	(b)	The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.	Rule 335-3-1605(g)
5.	Tern	nination for Cause	
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Fede	erally Enforceable Provisos	Regulations
	This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.	Rule 335-3-1605(h)
6.	Property Rights	
	The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.	Rule 335-3-1605(i)
7.	Submission of Information	
	The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.	Rule 335-3-1605(j)
8.	Economic Incentives, Marketable Permits, and Emissions Trading	
	No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.	Rule 335-3-1605(k)
9.	Certification of Truth, Accuracy, and Completeness:	
	Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.	Rule 335-3-1607(a)
10.	Inspection and Entry	
	Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of	Rule 335-3-1607(b)

Fede	rally I	Enforceable Provisos	Regulations
		ronmental Management and EPA to conduct the wing:	
	(a)	Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;	
	(b)	Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;	
	(c)	Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;	
	(d)	Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.	
11.	Com	pliance Provisions	
	(a)	The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.	Rule 335-3-1607(c)
	(b)	The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.	
12.	Com	pliance Certification	
		ompliance certification shall be submitted annually in 60 days after November 7^{th} of each year.	Rule 335-3-1607(e)
	(a)	The compliance certification shall include the following:	
		(1) The identification of each term or condition of this permit that is the basis of the certification;	
		(2) The compliance status;	
		(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-1605(c) (Monitoring and Recordkeeping	

Fede	rally E	nforce	eable Provisos	Regulations
			Requirements);	
		(4)	Whether compliance has been continuous or intermittent;	
		(5)	Such other facts as the Department may require to determine the compliance status of the source;	
	(b)	The c	compliance certification shall be submitted to:	
	Alab	ama D	repartment of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463	
			and to:	
		A	ir Enforcement & Toxics Branch EPA Region 4 61 Forsyth Street, SW Atlanta, GA 30303	
13.	Reop	ening	for Cause	
		•	of the following circumstances, this permit will be rior to the expiration of the permit:	Rule 335-3-1613(5)
	(a)	Air A with years than appli requi	tional applicable requirements under the Clean act of 1990 become applicable to the permittee a remaining permit term of three (3) or more s. Such a reopening shall be completed not later eighteen (18) months after promulgation of the cable requirement. No such reopening is ired if the effective date of the requirement is than the date on which this permit is due to be.	
	(b)	requi sourd by th	tional requirements (including excess emissions frements) become applicable to an affected ce under the acid rain program. Upon approval ne Administrator, excess emissions offset plans be deemed to be incorporated into this permit.	
	(c)	conta state	Department or EPA determines that this permit ains a material mistake or that inaccurate ments were made in establishing the emissions dards or other terms or conditions of this permit.	

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	(d)	this	Administrator or the Department determines that permit must be revised or revoked to assure bliance with the applicable requirements.		
14.	<u>Addi</u>	tional	Rules and Regulations		
	exist Rule	ing on s and	is issued on the basis of Rules and Regulations the date of issuance. In the event additional Regulations are adopted, it shall be the permit ponsibility to comply with such rules.	§22-28-16(d), Code of Alabama 1975, as amended	
15.	<u>Equi</u>	pment	Maintenance or Breakdown		
	(a)	equipus issue main equipus twent shute the sinten	ne case of shutdown of air pollution control oment (which operates pursuant to any permit of by the Director) for necessary scheduled tenance, the intent to shut down such oment shall be reported to the Director at least ty-four (24) hours prior to the planned down, unless such shutdown is accompanied by hutdown of the source which such equipment is ded to control. Such prior notice shall include, is not limited to the following:	Rule 335-3-107(1), (2	
		(1)	Identification of the specific facility to be taken out of service as well as its location and permit number;		
		(2)	The expected length of time that the air pollution control equipment will be out of service;		
		(3)	The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;		
		(4)	Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;		
		(5)	The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.		
	(b)	or up is ex conta	e event that there is a breakdown of equipment oset of process in such a manner as to cause, or expected to cause, increased emissions of air aminants which are above an applicable dard, the person responsible for such equipment		

Fede	rally I	Enforce	able Provisos	Regulations
		worki pertir the b	notify the Director within 24 hours or the nexting day and provide a statement giving all nent facts, including the estimated duration of creakdown. The Director shall be notified when reakdown has been corrected.	
16.	<u>Oper</u>	ration o	of Capture and Control Devices	
	whice operations operated the analysis as to	h this ated at sions of above ed	ation control devices and capture systems for permit is issued shall be maintained and all times in a manner so as to minimize the f air contaminants. Procedures for ensuring that quipment is properly operated and maintained so nize the emission of air contaminants shall be	§22-28-16(d), Code of Alabama 1975, as amended
17.	<u>Obn</u>	oxious	<u>Odors</u>	
	obnoverifi odor the	oxious ied by ous em Alabam these	t is issued with the condition that, should odors arising from the plant operations be Air Division inspectors, measures to abate the issions shall be taken upon a determination by a Department of Environmental Management measures are technically and economically	Rule 335-3-108
18.	<u>Fugi</u>	tive Du	<u>ıst</u>	
	(a)	eman	utions shall be taken to prevent fugitive dust ating from plant roads, grounds, stockpiles, ns, dryers, hoppers, ductwork, etc.	Rule 335-3-402
	(b)	in the airbox follow	or haul roads and grounds will be maintained e following manner so that dust will not become rne. A minimum of one, or a combination, of the ring methods shall be utilized to minimize rne dust from plant or haul roads and grounds:	
		(1)	By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;	
		(2)	By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;	
		(3)	By paving;	
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Fede	rally E	Enforceable Provisos	Regulations
		(4) By the application of binders to the roa surface at any time the road surface is foun to allow the creation of dust emissions;	
	adeq and exclu conti Alter	ald one, or a combination, of the above methods fail to uately reduce airborne dust from plant or haul road grounds, alternative methods shall be employed, either asively or in combination with one or all of the above rol techniques, so that dust will not become airborne mative methods shall be approved by the Department to utilization.	s r e e
19.	<u>Addi</u>	tions and Revisions	
	_	modifications to this source shall comply with thification procedures in Rules 335-3-1613 or 335-3-16	
20.	Reco	ordkeeping Requirements	
	(a)	Records of required monitoring information of th source shall include the following:	e Rule 335-3-1605(c)2
		(1) The date, place, and time of all sampling of measurements;	r
		(2) The date analyses were performed;	
		(3) The company or entity that performed the analyses;	е
		(4) The analytical techniques or methods used;	
		(5) The results of all analyses; and	
		(6) The operating conditions that existed at the time of sampling or measurement.	е
	(b)	Retention of records of all required monitoring dat and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application Support information includes all calibration and maintenance records and all original strip-chain recordings for continuous monitoring instrumentation and copies of all reports required by the permit	of g a. d t
21.	Repo	orting Requirements	

Fede	rally E	Enforceable Provisos	Regulations
	(a)	Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-1604(9).	Rule 335-3-1605(c)3
	(b)	Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.	
22.	<u>Emi</u>	ssion Testing Requirements	
	provi safet accor 40 o	a point of emission which requires testing will be ided with sampling ports, ladders, platforms, and other by equipment to facilitate testing performed in rdance with procedures established by Part 60 of Title f the Code of Federal Regulations, as the same may be inded or revised.	Rule 335-3-105(3) Rule 335-3-104(1)
	in a subn	Air Division must be notified in writing at least 10 days dvance of all emission tests to be conducted and nitted as proof of compliance with the Department's air ation control rules and regulations.	
	proce	avoid problems concerning testing methods and edures, the following shall be included with the ication letter:	
	(1)	The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.	Rule 335-3-104
	(2)	A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).	
	(3)	A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.	

Fede	rally Enforceable Provisos	Regulations
	(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.	
	A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by- case basis.	
	All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.	
23.	Payment of Emission Fees	
	Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-704.	Rule 335-1-704
24.	Other Reporting and Testing Requirements	
	Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.	Rule 335-3-104(1)
25.	Title VI Requirements (Refrigerants)	
	Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.	40 CFR 82
	No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.	
	The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.	
26.	Chemical Accidental Prevention Provisions	

	erally	Enforce	eable Provisos	Regulations	
	a pr	ocess in	al listed in Table 1 of 40 CFR 68.130 is present in quantities greater than the threshold quantity ble 1, then:	40 CFR Part 68	
	(a)		owner or operator shall comply with the sions in 40 CFR Part 68.		
	(b)	The follow	owner or operator shall submit one of the wing:		
		(1)	A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a) or,		
		(2)	A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.		
27.	Disp	lay of	<u>Permit</u>		
		_	shall be kept under file or on display at all times where the facility for which the permit is issued is	Rule 335-3-1401(1)(d)	
		ted and	I will be made readily available for inspection by ersons who may request to see it.		
28.	any	ted and	I will be made readily available for inspection by ersons who may request to see it.		
28.	Circ No 1 any redu	ted and or all p umven person device action is	I will be made readily available for inspection by ersons who may request to see it.	Rule 335-3-110	
28.	Circ No pany reductions wou	umven berson device action is	I will be made readily available for inspection by ersons who may request to see it. Ition shall cause or permit the installation or use of or any means which, without resulting in the n the total amount of air contaminant emitted, dilutes any emission of air contaminant which	Rule 335-3-110	

Fede	rally Enforceable Provisos	Regulations	
30.	Fuel-Burning Equipment		
	(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Rule 335-3-403.	Rule 335-3-403	
	(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Rule 335-3-501.	Rule 335-3-501	
31.	Process Industries - General		
	Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Rule 335-3-404.	Rule 335-3-404	
32.	Averaging Time for Emission Limits		
	Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	Rule 335-3-105	
33.	Permit Shield		
	A permit shield exists under this operating permit in accordance with ADEM Admin. Code 335-3-1610 in that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in the application for this permit. Under this shield, it has been determined that requirements listed as non-applicable in the application are not applicable to this source.	Rule 335-3-1610	

Summary Page for Tunnel Kilns

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
S-13,17, &18	Tunnel Kiln 41-1, 42-1, and 42-2 exhaust stacks	PM	E=3.59P ^{0.62}	Rule 335-3-404
S-13,17, &18	Tunnel Kiln 41-1, 42-1, and 42-2 exhaust stacks	PM/Non-Hg HAP Metals	PM Limit of 0.37 lb/ton of brick fired Or 0.0021 gr/dscf at 17% O ₂ Or Non-Hg Metals Limit of 0.11 lb/hr	40 CFR 63 Subpart JJJJJ Table 1 40 CFR §63.8405(a) Table 1
S-13,17, &18	Tunnel Kiln 41-1, 42-1, and 42-2 exhaust stacks	HF, HCl & Cl ₂	57 lb (HCl equivalent)/hr from collection of all kilns	40 CFR §63.8405(a) Table 1
S-13,17, &18	Tunnel Kiln 41-1, 42-1, and 42-2 exhaust stacks	Hg	0.00033 lb/ton of brick fired or 91µg/dscm at 17% O ₂ or 0.0019 lb/hr	40 CFR §63.8405(a) Table 1
S-13,17, &18	Tunnel Kiln 41-1, 42-1, and 42-2 exhaust stacks	Opacity	0%	40 CFR 63 Subpart JJJJJ Table 2 and Table 6

Provisos for Tunnel Kilns

Fe	derally Enforceable Provisos	Regulations
A	pplicabilit <u>y</u>	
1.	These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
2.	These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-404(1), "Control of Particulate Emissions for Process Industries – General" as described in General Proviso No. 31.	Rule 335-3-404(1)
3.	These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-401(1), "Control of Particulate Emissions – Visible Emissions" as described in General Proviso No. 29.	Rule 335-3-401(1)
4.	These sources are subject to the applicable requirements of 40 CFR 63 Subpart JJJJJ, "National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Products Manufacturing".	Rule 335-3-11- .06(113) 40 CFR §63.8385
5.	The Tunnel Kilns are subject to the applicable requirements of 40 CFR 63 Subpart A, "General Provisions" as specified in Table 10 to 40 CFR 63 Subpart JJJJJ.	Rule 335-3-1106(1) 40 CFR §63.8505
<u>E</u> :	mission Standards	
1.	Particulate matter emission rate from each kiln shall not exceed the allowable set by the equation in Rule 335-3-404(1).	Rule 335-3-401(1)
2.	The particulate matter (as defined in §63.8515 of 40 CFR 63 Subpart JJJJJ) emission rate from each kiln shall not exceed	40 CFR §63.8505(a)
	0.37 lb/ton of brick fired,	40 CFR 63 Subpart JJJJJ, Table 1
	OR	
	The particulate matter emission rate from each kiln shall not exceed 0.0021 gr/dscf at 17% $\rm O_2$,	
	OR	
	The Non-Hg HAP metals emission rate from each kiln shall not exceed $0.11\ lb/hr$.	
3.	The kilns are permitted to burn natural gas, sawdust, or a sawdust/natural gas mixtureas fuel.	Rule 335-3-404

Federally Enforceable Provisos	Regulations
4. The combined total of HF, HCl, and Cl ₂ emissions from the Tunnel Kilns shall not exceed 57 lb/hr (HCl equivalent).	40 CFR §63.8505(a) 40 CFR 63 Subpart JJJJJ, Table 1
5. Mercury (Hg) emissions from each kiln shall not exceed 0.00033 lb/ton of brick fired, 91 μ g/dscm at 17% O ₂ , or 0.0019 lb/hr.	40 CFR §63.8505(a) 40 CFR 63 Subpart JJJJJ, Table 1
6. The facility shall maintain no visible emissions from the Tunnel Kiln stacks.	40 CFR 63 Subpart JJJJJ, Table 2 and Table 6
Compliance and Performance Test Methods and Procedures	
1. Method 5 of 40 CFR Part 60, Appendix A, or an equivalent method referenced in 40 CFR 63 Subpart JJJJJ, shall be used in the determination of particulate matter emissions.	Rule 335-3-105 40 CFR 63 Subpart JJJJJ, Table 4
2. Method 9 or Method 22 of 40 CFR Part 60, Appendix A, shall be used in the determination of the opacity of the stack emissions.	Rule 335-3-105
3. Method 26A or Method 320 of 40 CFR Part 60, Appendix A, or an equivalent method referenced in 40 CFR 63 Subpart JJJJJ, shall be used in the determination of HF, HCl, and Cl_2 emissions.	Rule 335-3-105 40 CFR 63 Subpart JJJJJ, Table 4
4. Method 29 of 40 CFR Part 60, Appendix A, or an equivalent method referenced in 40 CFR 63 Subpart JJJJJ, shall be used in the determination of metals emissions from affected sources.	Rule 335-3-105 40 CFR 63 Subpart JJJJJ, Table 4
Emission Monitoring	
1. An observation of each emission point associated with the Tunnel Kilns will be accomplished at least <u>daily</u> according to the procedures of Method 22 of 40 CFR Part 60, Appendix A-7.	Rule 335-3-1605(c)(1) 40 CFR §63.8370(e)
(a) The facility must conduct the Method 22 test while the tunnel kilns are operating under normal conditions for a minimum of 15 minutes.	
(b) If any visible emissions are observed during any daily check, a Method 9 visible emission observation shall be completed. If opacity greater than 10 percent is observed, the facility must initiate and complete corrective action according to their OM&M plan.	
(c) The facility may decrease the frequency of the Method 22 testing from daily to weekly for the tunnel kiln stacks if one of the conditions below is met.	

Federally Enforceable Prov	visos
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Regulations

- i. If no visible emissions are observed in 30 consecutive daily Method 22 checks for any tunnel kiln stack.
- ii. If no opacity greater than 10 percent (10%) is observed during any of the Method 9 visible emission observations for any kiln stack.
- (d) If visible emissions are observed during any weekly check and opacity greater than 10 percent (10%) is observed in the subsequent Method 9 visible emission observation, the facility must promptly initiate and complete corrective action according to their OM&M plan, resume testing of the kiln stack following Method 22 of 40 CFR Part 60, Appendix A-7, on a daily basis, and maintain that schedule until one of the conditions in proviso (c)(i) or (c)(ii) above is met, at which time the facility may again decrease the frequency of Method 22 testing to a weekly basis.
- (e) If greater than 10 percent (10%) opacity is observed during any test conducted using Method 9, the facility must report these deviations by following the requirements in §63.8485.
- 2. The facility must prepare and implement a written operation, maintenance, and monitoring (OM&M) plan according to the requirements in §63.8425

40 CFR §63.8440(a)

40 CFR §63.8420(c)

3. A performance test must be conducted before renewing the facility's 40 CFR Part 70 operating permit or at least every 5 years following the initial performance test, as well as when an operating limit parameter value is being revised.

40 CFR 63 Subpart

JJJJJ, Table 3

4. The facility must minimize dioxin/furan emissions by implementing the following requirements from Table 3 of 40 CFR 63 Subpart JJJJJ.

(a) Maintain and inspect the burners and associated combustion

- controls.

 (b) Tune the specific burner type to optimize combustion.
- 5. The facility must minimize HAP emissions during periods of startup and shutdown by following the requirements in Table 3 of 40 CFR 63 Subpart JJJJJ.

40 CFR 63 Subpart JJJJJ, Table 3

6. The facility shall maintain the kiln process rate at or below the kiln process determined according to §63.8445(g)(1).

40 CFR 63 Subpart JJJJJ, Table 2

Recordkeeping and Reporting Requirements

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Fe	derally Enforceable Provisos	Regulations
1.	The facility shall maintain a record of all inspections, to include visible emission checks, Method 9 observations, problems noted, and corrective actions taken, performed to satisfy the requirements of periodic monitoring. Each record shall be maintained in a form suitable for inspection for a period of at least five (5) years.	Rule 335-3-1605(c)
2.	If a visible emission observation is required using 40 CFR, Part 60, Appendix A, Method 9 or 22, the results will be documented using an ADEM visible emissions observation report and the cause and corrective action taken will be documents in a form suitable for inspection.	Rule 335-3-1605(c)
3.	The facility must submit all of the notifications specified in Table 8 to Subpart JJJJJ that are applicable by the dates specified in the table.	40 CFR §63.8480(b)
4.	This kiln's production rate should be calculated according to the amount of brick produced (in tons) in a 12-month period divided by the number of operating hours in the 12-month period. Monthly records and 12-month rolling total records of the production of fired products for each kiln and monthly operating hours of each kiln shall be maintained in a form suitable for inspection for a period of five (5) years.	Rule 335-3-1605(c)
5.	The sawdust usage (in lbs/hr) shall be calculated according to the amount of sawdust combusted (in pounds) each month divided by the number of kiln operating hours in each month. Monthly records of the amount of sawdust combusted for each kiln and monthly operating hours of each kiln shall be maintained in a form suitable for inspection for a period of five (5) years.	Rule 335-3-1605(c)
6.	Records of the daily amount of natural gas usage for each kiln shall be maintained in a form suitable for inspection for a period of five (5) years.	Rule 335-3-1605(c)
7.	The permittee shall submit a written report containing statements and information concerning emission limitation (emission limits, operating limits) deviations, out-of-control	40 CFR §63.8485(c) (d)&(e)
	CMS, periods of startup, shutdown, or malfunction to the Department semi-annually.	40 CFR 63 Subpart JJJJJ, Table 9
8.	The permittee shall submit a written report of exceedances of the stack opacity to the Department semi-annually.	Rule 335-3-1605(c)
9.	The facility shall keep records according to the requirements of $\S 63.8490$.	40 CFR §63.8490

Summary Page for Kiln Solid Fuel System

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
HM-2	Hammermill w/ Cyclone	PM	E=3.59P _{0.62}	Rule 335-3-404
HM-2	Hammermill w/ Cyclone	Opacity	20%	Rule 335-3-401(1)
HM-3	Hammermill w/ Cyclone	PM	E=3.59P ^{0.62}	Rule 335-3-404
HM-3	Hammermill w/ Cyclone	Opacity	20%	Rule 335-3-401(1)
SS-1	Scalping Screen	Opacity	20%	Rule 335-3-401(1)
SS-2	Scalping Screen	Opacity	20%	Rule 335-3-401(1)

Provisos for Kiln Solid Fuel System

Regulations
Rule 335-3-1603
Rule 335-3-404(1)
Rule 335-3-401(1)
Rule 335-3-404(1)
Rule 335-3-401(1)
Rule 335-3-105
Rule 335-3-105
Rule 335-3-1605(c)
Rule 335-3-1605(c)

Fed	derally Enforceable Provisos	Regulations
Red	cordkeeping and Reporting Requirements	
1.	The facility shall maintain a record of all visual checks and corrective actions taken. All records shall be maintained in a form suitable for inspection and kept on site for a period of at least 5 years.	Rule 335-3-1605(c)
2.	The permittee shall submit a written report of exceedances of the stack opacity to the Department semi-annually.	Rule 335-3-1605(c)

Summary Page for Clay Preparation

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
Fugitive emissions	Primary Crusher	PM	E=3.59P _{0.62}	Rule 335-3-404
Fugitive emissions	Hammermill	PM	E=3.59P _{0.62}	Rule 335-3-404
Fugitive emissions	Primary Crusher	Opacity	15%	40 CFR 60.670
Fugitive emissions	Hammermill	Opacity	or 7% from any building opening from a building enclosing affected units (excluding vents as defined in §60.671) and vents in the building must meet requirements in Table 2 od Subpart OOO	40 CFR 60.670

Provisos for Clay Preparation

Fede	rally Enforceable Provisos	Regulations
App	<u>licability</u>	
	his source is subject to the applicable requirements of ADEM dmin. Code r. 335-3-1603, "Major Source Operating Permits".	Rule 335-3-1603
Ao fo	his process is subject to the applicable requirements of ADEM dmin. Code r. 335-3-404(1), "Control of Particulate Emissions or Process Industries – General" as described in General Proviso o. 31.	Rule 335-3-404(1)
A	his process is subject to the applicable requirements of ADEM dmin. Code r. 335-3-401(1), "Control of Particulate Emissions Visible Emissions" as described in General Proviso No. 29.	Rule 335-3-401(1)
	he Primary Crusher and Hammermill are subject to the	Rule 335-3-1002(67)
" (opplicable requirements of 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing lants".	40 CFR §60.670(a)
	he Primary Crusher and Hammermill are subject to the	Rule 335-3-1002(1)
	oplicable requirement of 40 CFR 60 Subpart A, "General rovisions" as listed in Table 1 of 40 CFR 60 Subpart OOO.	40 CFR §60.670(f)
<u>Emi</u>	ssion Standards	
ne	he particulate emission rate from the primary crusher shall of exceed that which is calculated using the process weight quation, as defined in ADEM Admin. Code r. 335-3-404.	Rule 335-3-404(1)
ex	he particulate emission rate from the hammermill shall not sceed that which is calculated using the process weight quation, as defined in ADEM Admin. Code r. 335-3-404.	Rule 335-3-404(1)
	he owner or operator must meet a fugitive emissions limit of	40 CFR §60.672(b)
	en percent (10%) opacity for grinding mills, screening perations, bucket elevators, transfer points on belt conveyors,	40 CFR 60 Subpart
ba lo	agging operations, storage bins, enclosed truck or railcar ading stations or from any other affected facility (as defined in 50.670 and §60.671).	OOO, Table 3
	ugitive emissions cannot exceed fifteen percent (15%) opacity	40 CFR §60.672(e)
fr	om any crusher for which a capture system is not used.	

Fe	derall	y Enforceable Provisos	Regulations
5.	5. If any transfer point on a conveyor belt or any other affected source that is enclosed in a building must comply with the emission limits in §60.672(a) and (b), or the building enclosing the affected facility or facilities must comply with the following emission limits:		40 CFR 60.672(e)
	(a)	Fugitive emissions from the building openings (except for vents as defined in §60.671) must not exceed seven percent (7%) opacity; and	
	(b)	Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of Subpart OOO.	
<u>C</u>	ompli	ance and Performance Test Methods and Procedures	
1.		od 5 of 40 CFR 60, Appendix A, shall be used in the mination of particulate emission.	Rule 335-3-105 40 CFR §60.675
2.	appro	od 9 of 40 CFR 60, Appendix A, or an equivalent method oved by the Department, shall be used in the mination of the opacity of the stack emissions.	Rule 335-3-105
<u>E</u>	missio	on Monitoring	
1.	source famili excess visua	bservation of each emission point associated with this se will be accomplished at least weekly by an individual far with Method 9. If visible emissions appearing to be in as of 10% opacity are noted during the above-referenced 1 checks, corrective action shall be initiated within 2 hours duce the emissions.	Rule 335-3-1605(c)
2.	shall emiss be in	the corrective action has been performed, the permittee conduct another visual check to ensure that the visible sions have been reduced. If visible emissions appearing to excess of 10% are still present, a Method 9 visible sion observation shall be performed.	Rule 335-3-1605(c)
<u>R</u>	ecord	keeping and Reporting Requirements	
1.	visua action moni	acility shall maintain a record of all inspections, including l emission checks, any problems noted, and corrective as taken, performed to satisfy the requirements of periodic toring. Each record shall be maintained in a form suitable spection and kept on site for a period of at least 5 years.	Rule 335-3-1605(c)
2.	_	permittee shall submit a written report of exceedances of tack opacity to the Department semi-annually.	Rule 335-3-1605(c)